

Claims

What is claimed is:

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1. A child-proof container comprising:

a container having an interior storage space and communicating with the interior storage space an upper opening lip with a hook retainer surface connected to the opening lip on an exterior surface on a side of the opening lip, the hook retainer having an outer
10 face facing away from the container and an inner face facing toward the container, the outer face and inner face both tapering relative to the container, the outer face meeting the inner face in a V-shaped point at a lower end of the hook retainer;

a cover removably engageable with the opening lip along a flexible tapered self-engaging self-sealing surface between the cover and the opening lip, so that the cover is
15 capable of moving toward the container to a compressed position and away from the container to a normally sealed position, the cover connected to the container by a hinged connection on a side opposite to the hook retainer and the cover further comprising a flexible tab protruding from the cover on a side of the cover mating with the hook retainer, the flexible tab having a bottom V-shaped hook so that the flexible tab is capable
20 of contacting the hook retainer in the normally sealed position and sliding down the hook retainer as the cover is pressed into the container from the normally sealed position to the compressed position with the tab flexing due to the contact with the hook retainer and the

V-shaped hook is capable of snapping over and self-engaging the V-shaped point of the hook retainer in the compressed position, the cover being capable of moving back to the normally sealed position upon engagement of the V-shaped hook of the tab with the V-shaped point of the hook retainer, so that release of the cover requires the cover being in
5 the compressed position and the tab being moved so that the V-shaped hook is clear of the V-shaped point and the cover is movable away from the container, the cover further comprising a visual indicator on an outer surface of the cover adjacent to the tab, the visual indicator indicating a compression point to be contacted to compress the cover and the visual indicator further indicating a direction in which the tab must be moved to
10 release the V-shaped hook of the tab from the V-shaped point of the hook retainer, so that closing the cover requires pressing down the cover and opening the cover requires pushing down the top of the cover at the visual indicator and then pushing in the tab, while the cover self releases from the container.

15 2. The child-proof container of claim 1 wherein the hook retainer is spaced apart from the container and the outer face and the inner face both taper inwardly toward the container from an upper portion to a lower bottom portion and the tab is capable of fitting between the hook retainer and the container with the V-shaped hook facing outwardly toward the hook retainer.

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3. The child-proof container of claim 1 wherein the cover further comprises a flexible tapered ridge facing the container to form the flexible tapered engaging surface,

the ridge being capable of mating with the opening lip of the container so that the ridge is capable of maintaining a seal with the lip along the flexible tapered engaging surface in both positions.

- 5 4. The child-proof container of claim 1 wherein the container is a thin-walled container formed in one piece by a molding process and the hinged connection comprises a living hinge and the visual indicator is formed on the cover in the molding process.